AMENDMENTS TO THE CLAIMS

(Currently Amended) A device for increasing a perceived bandwidth in an audio signal path with limited bandwidth comprising:

an input terminal for connecting a polyphonic ring signal;

an output terminal for connecting a speaker unit for generating an acoustic signal;

a splitter adapted to divide the audio signal path from the input terminal into two branches, the branches comprising:

a first branch for passing a first part of the polyphonic ring signal;

a second branch for processing a second part of the polyphonic ring signal:

wherein the second branch comprises means for producing harmonics of the polyphonic ring signal; and

a combiner for adding the harmonics produced in the second branch to the first part of the polyphonic ring signal in the first branch at the output terminal;

wherein the means for producing harmonics comprises a harmonic generator configured to produce for producing out-of-band harmonics that increase a perceived sound pressure level of the polyphonic ring signal and thereby improve an alert function of the polyphonic ring signal.

- (Previously Presented) The device according to claim 1, wherein the means for producing harmonics further comprises a filter and an adjustable amplifier.
- (Previously Presented) The device according to claim 2, wherein the filter is arranged to separate an upper portion of a pass band as an input to the harmonic generator.
- (Previously Presented) The device according to claim 2, wherein the harmonic generator comprises a nonlinear circuit.

- (Previously Amended) The device according to claim 2, wherein the harmonic generator comprises a digital signal processor (DSP).
- (Previously Presented) The device according to claim 1, wherein the means for producing harmonics is arranged to add second harmonics.
- 7. (Previously Presented) The device according to claim 1, wherein the means for producing harmonics is arranged to add even harmonics.
 - 8.-10. (Canceled)
- 11. (Previously Presented) The device according to claim 1, wherein the first branch comprises means for providing a delay or a phase shift.
- (Previously Presented) The device according to claim 1, the device being used in a communication apparatus for increasing the perceived bandwidth.
- 13. (Previously Presented) The device according to claim 1, the device being used in a communication apparatus comprising:
 - a polyphonic sound effect generator for producing the polyphonic ring signal.
- 14. (Previously Presented) The device according to claim 13, the device being used in a communication apparatus, wherein the communication apparatus is a portable telephone, a pager, a communicator or an electronic organizer.